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GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: BIARYL SUBSTITUTED 6-MEMBERED HETEROCYCLES AS SODIUM CHANNEL BLOCKERS

(57) Abstract: Biaryl substituted pyridine, pyrimidine and pyrazine compounds are sodium channel blockers useful for the treat-
ment of pain. Pharmaceutical compositions comprise an effective amount of the instant compounds, either alone, or in combination
with one or more therapeutically active compounds, and a pharmaceutically acceptable carrier. Methods of treating conditions as-
sociated with, or caused by, sodium channel activity, including, for example, acute pain, chronic pain, visceral pain, inflammatory
pain, neuropathic pain, epilepsy, irritable bowel syndrome, depression, anxiety, multiple sclerosis, and bipolar disorder, comprise
administering an effective amount of the present compounds, either alone, or in combination with one or more other therapeutically
active compounds.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 213/26, 213/55, 213/56, 239/26, 401/04, 403/04; A61K 31/4418, 31/4436, 31/505, 31/506
US CL : 546/323, 326, 346, 348; 544/122, 323, 335; 514/235.8, 256, 275, 277, 354, 355, 356

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 546/323, 326, 346, 348; 544/122, 323, 335; 514/235.8, 256, 275, 277, 354, 355, 356

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CAS ONLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,873,248 A (KATOH et al) 10 October 1989 (10.10.1989), see formula (I), especially compounds in Table 1.	1, 12, 18, 19, 24, 27, 44
X	WO 01/81312 A2 (MERCK FROSST CANADA & CO.) 01 November 2001 (01.11.2001), see formula in Table 1, especially compounds 5, 47 and 49.	1-3, 5-9, 11, 44-58
X	US 4,783,466 A (KATOH et al) 08 November 1988 (08.11.1988), see formula (I), especially compounds in Table 1.	1, 12, 14, 29, 44

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
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